

Cancel claims 6 and 7.

At claims 8, 9, line 1 delete "4" and substitute therefor -- 18 --.

At claim 8 line 2 delete "μ" and substitute therefor -- μm --.

At claim 9, line 2 delete "μ" and substitute therefor -- μm --.

At claim 10, line 1 delete "1" and substitute therefor -- 18 --.

At claim 12, line 2 delete "μ" and substitute therefor -- μm --.

At claim 13, line 2 delete "μ" and substitute therefor -- μm --.

Cancel claim 16 and substitute therefor the following new claim 19;

11 19) A field emitter extractor gauge comprising a field emitter array, an anode grid, a focus plate, a reflector and a collector wherein said field emitter array comprises an array of solid diamond electron emitters each comprising a diamond greater than 5μm in thickness having a pointed surface with a radius of less than about 100μm, said pointed surface having a roughness of between about 20 angstroms and about 10μm.

Remarks

The claims of the present application stand objected to for their use of the symbol "μ" in lieu of the proper dimensional symbol "μm". The foregoing amendments to the claims correct all occurrences of this oversight.